

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/849,529

DATE: 07/24/2001

TIME: 15:36:40

Input Set : D:\Pa_00349.rpt

Output Set: N:\CRF3\07242001\I849529.raw

M1-2, 4-5

Ct->
Of->

1 <110> APPLICANT: Fincher, Karen L.
 2 Ziegler, Todd E.
 4 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
 5 Plants
 7 <130> FILE REFERENCE: 38-21(51893)B
 9 <140> CURRENT APPLICATION NUMBER: US/09/849,529
 9 <141> CURRENT FILING DATE: 2001-05-07
 9 <150> PRIOR APPLICATION NUMBER: US 60/196,868
 11 <151> PRIOR FILING DATE: 2000-05-09
 13 <160> NUMBER OF SEQ ID NOS: 24076
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 16 <211> LENGTH: 592
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Gossypium hirsutum <220> insert this mandatory
 20 <220> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-A1
 22 <400> SEQUENCE: 1
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 26 gaatagtttg gctgagaagg caaacaaga gatggcctcg gcagtgaata gctcggcaga 120
 28 gaagatgaag aacgagatgg ccattgacagt aaatagctcc actgaggaga tgaaaaagaga 180
 30 gacaacttca ataaaagagc cagcggagaa gatgaacaaa gagacagcct tgaataataa 240
 32 taactcagct gagaagatga agaaaqaaac atcattaaat agctcagctg agaagatgag 300
 34 acaagagaca gctgcagaaa atggttcagc tgaagaagatg aagaaagaga cagccttgac 360
 36 agtaaatatc tcagctgaga agatgaacaa agagacagcc ttgacaataa ataactcagc 420
 38 tgaagaagatg aacaaagaga tggccaggac agtgaatagc tcagctgaga agatgagaca 480
 40 agagacagct acagttaatt gctcggtctg gaagatgaag aagagagcgg ccttgacagt 540
 42 aaagagctcg aacgagaagg tgaagaaaga aacagccttg acagttaata ac 592
 45 <210> SEQ ID NO: 2
 46 <211> LENGTH: 531
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Gossypium hirsutum same clone
 50 <220> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-A10
 52 <400> SEQUENCE: 2
 54 cccacgcgtc ccccacgcg tccgcqaaa aaaaqqgat qqqctctca ctttctattt 60
 56 ttactccttt ttattacatg ccagtttga tccagttatc aggtcattt atgttatttg 120
 58 gatttttttt tttaattttg ataattttga cattaacttg attcctgaca ttatatttat 180
 60 aatacttttg atatgtttta aaaaaatta aacgcatttg aaattattta tctgatgatt 240
 62 cccaccattc accgtatggt acatatgctg ttgtcgtgct ggcacattgc cattggtttg 300
 64 cattgtttta atattaatat ttttaattta catcaacctt ttttqtaaaa ctttaatttg 360
 66 ttcaaaaaac tttaatttta aattgtattt aataatttcc attttcgtta cttttttagt 420
 68 qttttatttt ccacactgaa atcttttqct ttgtctgata aaatttccca aaatqgttag 480
 70 ttttttttca aaatttcatt atttttataa atatactaac ccaatagata t 531
 72 <210> SEQ ID NO: 3
 73 <211> LENGTH: 531

sequence
identified
whereas
C. 17, 2022
2-2003
in which
1990-1991

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172 <211> LENGTH: 653

173 <212> TYPE: DNA

174 <213> ORGANISM: Gossypium hirsutum

176 <220> FEATURE:

177 <221> NAME/KEY: unsure

178 <222> LOCATION: (1)..(653)

179 <223> OTHER INFORMATION: unsure at all n locations

180 <223> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-A4

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184 gtgaggaaaa aaagattca atcttttggt gtttaagtgg tgaacaaaa aaaaaaatgg 60

186 agggaaaaa qaggaatgt aaactaggag ccaacaagt ctctgagaga caacctattg 120

188 ggaatcagc tcaaacagac aaggaactaca aggaagccacc accagcacca ttgtttgagc 180

190 ctggtgagct caagtcagtg tctttctaca gagccggcat tgcctgagtt gttgctacct 240

192 tctgttctct ttacatcaact gtcttgactg tcatgggtgt gtctcaatct aagacaaaaat 300

194 gtactactgt tggatttcaa ggcattgctt ggcccttttg tggcatgac ttiqcccttg 360

196 tttattgtac tgcctgcaat tcaagggtggc atattaaccc agctgtgacc ttgqggttgt 420

198 tacttgcaag gaagctgtcc cttaacaagg cagtattcta catgatcatg caatgccttg 480

200 gtgctatctg tggagctggt gtagtgaaa gattcgaagg agacagtga tatgaatgt 540

Wt-> 202 tggngtggtg gagccaatgt tgtgaaccat ggctacacca aagggtgatg gtcttggtgc 600

Wt-> 204 tgaaatcatt gcacttttgn tcttgnctac actggtttct ctgctactga tgc 653

207 <210> SEQ ID NO: 7

208 <211> LENGTH: 638

209 <212> TYPE: DNA

210 <213> ORGANISM: Gossypium hirsutum

212 <220> FEATURE:

213 <221> NAME/KEY: unsure

214 <222> LOCATION: (1)..(638)

215 <223> OTHER INFORMATION: unsure at all n locations

216 <223> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-A5

218 <400> SEQUENCE: 7

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222 aggttttcat ttgttgagtc aaactatcag tttaacttct ctatcctgc aaattctaaa 120

224 agaaaaggga tccgactga tctgctgcaa atgggggaga agtgggtgtt gatgaaaag 180

226 gctcagagc ctaccaacat tgcagtgat aagtattggg ggaagaggga tgagacctt 240

228 attttgcctg tcaacgatag cctcagcgtt actcttgatc ctgctcatct ctgcaccaca 300

230 accacgctcg ctgttagccc tcttttccag caagatccta tctggtcaa tggcaaggaa 360

232 atatcccttt cccgagaaaq gtaccagaaa tttttgaggg aaatcagaaa accgcttgg 420

234 gaatttgaag ataaagaaq ggaataaaa atagagaaa aagatttggg gaaactgcat 480

236 ctccatattg catcttataa caatttccct acagctgcaq gatttggctt ctctgctgct 540

Wt-> 238 ggtnttgctt gtcttgtttt tgcacttgca aagcttatga atgtcagtga agatgagagt 600

Wt-> 240 caactttctg ctattgctag gcaagggtca ngcagtgc 638

243 <210> SEQ ID NO: 8

244 <211> LENGTH: 636

245 <212> TYPE: DNA

246 <213> ORGANISM: Gossypium hirsutum

248 <220> FEATURE:

249 <221> NAME/KEY: unsure

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252 <223> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-A6

254 <400> SEQUENCE: 8

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256 ttcttcttca aattgttttt cccagttatt ttgtttgatt ttctttgatt tctctctctc 60
258 tctctttcat gttcaatttt ttctgttttt ttcttttttt aaatttatat aaaatttatg 120
260 aataatattac gtttttggllc tgggttgatt taagtcagttt acttcttttt ttatttataa 180
262 tcttttttttc atcatcaatc tcttttgat ttctataaca ttattacca ttattttaat 240
264 attttgagct tatcaccttg attttcgatt acccttttgt gagattcgaa aaaaaaaacc 300
266 catttttttta ctatttttcc gatgaggaga gggagggggc tggcgcgcgc cgtcatcccc 360
268 gatggagaaq aaccccaata cagaggtgtt cggaaaagac catggggtag attcgcagct 420
270 gagatccgag acccgtggaa aaaaaccagg gtttggttag gtactttcga ttccgcgcga 480
272 gaagcagctc gagcttaaga taaggcgcgc atgacactgc gtggaccgaa agccaaaaag 540
274 aatttcccaa tcaatccctc gaatactanc cgctttccga tcatcacca ccaccgtcgg 600
276 ttatacctga tgggttaattt tcaagaccgc aaatg 663

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278 <210> SEQ ID NO: 9

280 <211> LENGTH: 663

281 <212> TYPE: DNA

282 <213> ORGANISM: Gossypium hirsutum

284 <220> FEATURE:

285 <221> NAME/KEY: unsure

286 <222> LOCATION: (1)..(663)

287 <223> OTHER INFORMATION: unsure at all n locations

288 <223> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-A7

290 <400> SEQUENCE: 9

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292 cccgcgctcc ggtgagnaaa tgaataatcc actaccgaca ctgtctttcg tgtaaagctt 60
294 caacataacc attaaagggg acagagattg agagaaacta cttgtgggac ttcacccccc 120
296 cccaaaaaaa ctgttttttc tctgtctctg caataaactg gaaggagcag acacagagac 180
298 agggagagag agagagagag agagagagag agagagagag gtgggggaga 240
300 caatatgctt aagttaataa aaggataaga ttgatccat ctctcttatg ttttcttttt 300
302 tctttgataa aaqtccagaa gaagcaqatt caagatatt gagaagaagt ttctaaagat 360
304 ttgttaagc taactatggg aactcttgc atcgatacgg agtqtgtgga ttctgatata 420
306 taccgtgctt tgggattcaa agaattgggt aaaggagttg ttggaactcc acggaattta 480
308 taactcttt ctgcctttt tgaagaaatc qtcacaaqaa acgagatgga qtcgagacg 540
310 gtgaacttca aanataatgt tgccatgttt catgggttaa gagctccacc ataagcattc 600
312 agcatatat cgateqcac ttcaagtatg ctggctgcag tccgtcgtgt tttctcgttg 660
314 cat 663

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316 <210> SEQ ID NO: 10

318 <211> LENGTH: 200

319 <212> TYPE: DNA

320 <213> ORGANISM: Gossypium hirsutum

322 <223> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-A8

324 <400> SEQUENCE: 10

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326 tccatatact tgaatggttt atctcaatgg tcatgctaatt actttttgtt gtactcttcc 60
328 tctaggaattc ttctttttct tgaactccat tctcaaaagg ctgtatccaa gttgtaatgc 120
330 caqatattaat gtatgcaata aaaactatat gtatggtaaa gtatgtattt ttattatttg 180
332 cttaacttca tgggttggcc
334 <210> SEQ ID NO: 11
336 <211> LENGTH: 585

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340 <223> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-B1

342 <400> SEQUENCE: 11

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346 ttcaagaca taatttactt cttgcggaga gtaggggato atatacggtg cagcagaact    120
348 aaactagctt agacatacat gtagggcagt catattcggt tctgctaacc acggatcaga    180
350 atgcaagtag cgaattactac attgtagcaa gtgccaggtt tctgaatgaa tcgcagtgga    240
352 aacgqtttac cgtgtttgcc attttgcgtt attctaattc gaaaggaag gcatacggtc    300
354 ccttcctga tccaccgcag gatgaattcg acaaaacctt ttcaatgaac caagctagat    360
356 ctatcagatg gaatttatct gccagtggtg ctgcgccgaa cccacagggg tcgttttagat    420
358 atggttccat taatgtgact gaagtttaag tcttgagaaa caaacacca gagactattg    480
360 atgggaiaag acgagcgaca ctgagtggga tatcctttgt caatcttgcg acaccaatcc    540
362 ggtttgttga ccagtataag attaaaggag tatataagct tga                    583

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365 <210> SEQ ID NO: 12

366 <211> LENGTH: 672

367 <212> TYPE: DNA

368 <213> ORGANISM: Gossypium hirsutum

370 <220> FEATURE:

371 <221> NAME/KEY: unsure

372 <222> LOCATION: (1)..(672)

373 <223> OTHER INFORMATION: unsure at all n locations

374 <223> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-B10

376 <400> SEQUENCE: 12

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378 tcaagcttca gcagaaggaa atattcggtg aaaagqagag attctgaagg agagagtagt    60
380 tcttcacact ggggaagaaa gttgagtggt tcatctccgg agggactgaa caatagttct    120
382 agcctcagtg attctatttc tgattcaagg cgagccagaa attggtcttc taatagggat    180
384 tctgttattg cttcttcagt taggaactag aqatcaaaac gtagtatatg tagtgggaga    240
386 ctccctaacg aagcaaatgg aaatagttta accttgaaat agtcacccat ggtcacccca    300
388 cagcaccctc aatctgatat tcttactgat atgaatgctc ctgttcccat aaaaaactgc    360
390 tcaactcgta ctagtcttta cagtcgatca ggtagtatag atgagaqttt acgaggtttc    420
392 atgcttcca gtccttcaga agttagtggt taccactctt cagtgaacca gggtagcttc    480
394 cagcactaca atatgqatgg ctttgcagag gtattattag aacttgagag aattgaacaa    540
396 atgaaagact tgaacataca gcaattactt attctagaga ccagcttgcg ccttaattgc    600
398 ctggactttt atgaatcgca tagagatatg agattggata tagatgatat gtcatatnga    660
400 gaattactag ct                    672

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403 <210> SEQ ID NO: 13

404 <211> LENGTH: 260

405 <212> TYPE: DNA

406 <213> ORGANISM: Gossypium hirsutum

408 <223> OTHER INFORMATION: Clone ID: LIB3543-001-Q1-K1-B11

410 <400> SEQUENCE: 13

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412 atgtgactct ctttcttttg ctttcttttc cgaqtccctt acctttttgaa tctcagatca    60
414 ggaattatc aaatccgagc cggcatggag gttaacgaca agctttttgaa cagcgggtatt    120
416 ctcatagtag ccacctagat agtggccaaq ctcatatctt tctcataat gcttaqatct    180
418 aagaaaaggg ttccaccagc agtcaaaacc tggccqgtaa tcggttggct ccttcgatca    240
420 tgaagagcct atcgtgatgc                    260

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423 <210> SEQ ID NO: 14

424 <211> LENGTH: 653

VERIFICATION SUMMARY

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 L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 4
 L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 6
 L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 6
 L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 7
 L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 7
 L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 8
 L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 9
 L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 9
 L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 12
 L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 14
 L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 15
 L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 15
 L:556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 17
 L:622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 19
 L:782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 24
 L:838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 26
 L:946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 29
 L:948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 29
 L:1084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 33
 L:1116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 34
 L:1118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 34
 L:1152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 35
 L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 35
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 L:1524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 46
 L:1736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 53
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 L:1738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 54
 L:1736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 54
 L:1834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 56
 L:1824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 57
 L:1826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 57
 L:1964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 59
 L:1982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 60
 L:2006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 60
 L:2036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID# 62

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L:2140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:2162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65

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Directory of D:\

pa_00349.rpt

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1 file(s)
Total filesize 19461 KB
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